

# wxloader

wxloader is Kognitio's bulk data loading tool. It was introduced in version 7.2 as the replacement for the now-deprecated tools wximport and wxpimport. It loads data at high speed from a flat file into a table on a Kognitio database. The data file is assumed to be ordinary CSV unless command-line options specify otherwise.

## Synopsis

```
wxloader -s server -u user -t table [options] inputfiles
```

## Examples

*Load data.csv into MYTABLE on MYDB*

```
wxloader -s mydb -u fred -t mytable data.csv
```

*Truncate MYTABLE, then load data.csv into it*

```
wxloader -s mydb -u fred -d -t mytable data.csv
```

*Load pipe-separated data file, taking quotes as literals*

```
wxloader -s mydb -u fred -f '|' -N \
-t mytable data.csv
```

*Load file whose character encoding is LATIN-1*

```
wxloader -s mydb -u fred -c LATIN1 \
-t mytable data_latin1.csv
```

## Basic options

Option	Description
-s <dsn>	DSN or address to connect to, or full ODBC connection string in braces. This option is required.
-u <user>	User name to log in as. Required, unless you gave a whole ODBC connection string in braces to -s.
-p <password>	Password. If not given, wxloader uses key authentication if available, or prompts from the terminal if applicable.
-d	Truncate table before loading.
-t <table>	Destination table name. This option is required.
-w	Load WCB file. This is the default for file names with a .wcb or .zwcb suffix.
--no-statistics	Don't update statistics on the table after loading.

## Conversion options

Option	Description
-c <charset>	Character encoding of input file. Default defined by locale, usually UTF-8.
--exclude-fields 1,2,3,...	Exclude the specified fields as they have no corresponding table column. The first field is field 1.
-f <char>	Field separator character. Default is comma. You can specify a tab with '\t' or '\0x09'.
-N	Naïve delimiting. Quotes taken as literals; field separator and newline must not appear in data.
--null-value <string>	Fields matching <string> are taken as NULL.
-D <fmt>, -T <fmt>, -S <fmt>	Format of dates (YYYY-MM-DD), times (HH:NN:SS) and timestamps (YYYY-MM-DD HH:NN:SS).

## Logging options

Option	Description
--log-file <outputfile>	Output logging information to specified file.
-b <outputfile>	Write records which had errors to the specified file.

These are only the most commonly-used options. There are many more. See the wxloader(1) man page.

## Hints and tips

- If you get "xx0214: Invalid string representation", this is almost certainly because your data file uses a different character encoding from what's expected. By far the most common case of this is when the file uses LATIN-1 and wxloader defaults to thinking it's in UTF-8. Tell wxloader it's in LATIN-1 with `-c LATIN1`.
- If your ODBC connection uses SSL, this will slow down the load considerably. Assuming the network between the client and server is trusted, SSL can be disabled for a significant performance improvement. Do this in the Data Sources (ODBC) dialogue in Windows, or the `odbc.ini` file in Linux (`SSL-enabled=N`). Alternatively, set the environment variable `WX_ODBC_SSL` to 0.
- The character set of a string column in the destination table *does not* need to match the character encoding of the data file. Kognitio will convert as necessary when loading. However, if a character in the data file has no equivalent representation in the destination column's character set (for example, a Euro symbol (€) going into a LATIN-1 column), it will cause a conversion error ("codepoint not in character set").